

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/22/2021 09:16 AM
Cytometer Baseline: 12/16/2021 09:10 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125295	0	2.1	125210	2.13
Blue	F	SSC	125000	124386	-1	2.62	124905	2.53
Blue	E	FITC	14284	13767	-4	2.97	384	13.78
Blue	D	PE	23919	23398	-3	2.57	555	11.08
Blue	B	PerCP-Cy5-5	31332	30808	-2	3.57	878	15.7
Blue	A	PE-Cy7	22272	22133	-1	5.43	462	32.59
Red	C	APC	47768	47370	-1	2.68	1627	11.97
Red	A	APC-Cy7	25313	24566	-3	3.01	693	12.86
Violet	B	V450	7085	6919	-3	3.58	482	11.31
Violet	A	V500	26969	25984	-4	3.12	892	8.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23955	3.9	589	0	N/A	N/A	Pass
Blue	F	SSC	55612	2.49	525	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	496	-5	0.0421	57	Pass
Blue	D	PE	108	40.97	493	-4	0.3824	332	Pass
Blue	B	PerCP-Cy5-5	137	44.79	584	-4	0.0182	108	Pass
Blue	A	PE-Cy7	77	85.11	631	-4	0.0195	3	Pass
Red	C	APC	340	27.3	581	1	0.0256	194	Pass
Red	A	APC-Cy7	128	36.71	554	-1	0.0058	1401	Pass
Violet	B	V450	83	46.92	457	-6	0.0617	2603	Pass
Violet	A	V500	106	30.83	467	-7	0.0229	688	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.51	1.05
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.16	13.60 - 20.40	N/A	N/A	29.87	30.08	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10032

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments